

Exhibit 12

ADVANCED CARDIOVASCULAR SYSTEMS
EXTRUSION DATA SHEET

START TIME: EXTRUSION #: 10-543-1 AMOUNT (FEET): 1000
FINISH TIME: DATE: 3-11-94 SIGNATURE/DATE *John 3-Wark*

MATERIALS :	MATERIAL DESC.	LOT# :	RM#
PEEK	Victrix 321	RED	None

EXTRUDER 10 PROCESS PERSON TTOMAS

REQUESTOR L WASISECK

PRODUCT SHFT SA#

SET-UP PARAMETERS:

MANDREL LGTH (EXT ONLY)	FLUSH	EXPERIMENTAL Y
DIE I.D. .094	OVAL N	PRODUCTION N
MANDREL O.D. .072	XHEAD Y	STRAIGHT N
SCREW TYPE	CR110393-1	
SCREEN TYPE	20 60 20	
START ID/OD	.032/.038	
FINISH ID/OD	.032/.038	

PROCESS PARAMETERS

TEMPERATURE SETPOINTS	SPEEDS & SETPOINTS	PSI & AIR
ZONE 1 565.0 MELT	784 0.0 SCREW RPM 5.8	HEAD PSI 2770.0
ZONE 2 670.0 DIE	1 0.0 PSI SET 2121.0	DIE PSI 2014.0
ZONE 3 720.0 DIE	2 0.0 EXTR. AMP 9.4	AIR PSI 1 7.2
CLAMP 700.0 DIE	3 720.0 PUL SPEED 65	2 0.2
INLET 730.0 W/B TEMP	0.0 W/B DIST. .25	3 0.3
G/PUMP 32.0		4 0.4
PUMP OUT 670.0		
XHEAD 0.0		
MATERIAL DRYING TMP. 280°	DEWPOINT -80 # OF HRS DRYING 48 hrs	

ACTUAL PARAMETER COLLECTED EVERY 10 MINUTES

SETPOINT	ACTUAL 1	ACTUAL 2	ACTUAL 3	ACTUAL 4	ACTUAL 5
G/PUMP PSI					
PUMP AMP					
SCREW RPM					
EXTRUDER AMP					
PULLER SPEED					
BARREL 1					
BARREL 2					
BARREL 3					
HEAD PSI					
TUBING O.D.					
AVG.DIA.					
AVG.STD.DEV.					

ADVANCED CARDIOVASCULAR SYSTEMS
EXTRUSION DATA SHEET

START TIME: EXTRUSION #: 10-544-1 AMOUNT (FEET): 600
FINISH TIME: DATE: SIGNATURE/DATE MM 03/11/94

MATERIALS : MATERIAL DESC. LOT# : RM#

PEEK

EXTRUDER 10 PROCESS PERSON TTOMAS

REQUESTOR L WASISECK

PRODUCT SHFT SA#

SET-UP PARAMETERS:

MANDREL LGTH (EXT ONLY) FLUSH EXPERIMENTAL Y
DIE I.D. .094 OVAL N ROUND Y PRODUCTION N
MANDREL O.D. .072 XHEAD Y STRAIGHT N
SCREW TYPE CR 110393-1
SCREEN TYPE 20 60 20
START ID/OD .018/.024
FINISH ID/OD .018/.024

PROCESS PARAMETERS

TEMPERATURE SETPOINTS	SPEEDS & SETPOINTS		PSI & AIR
ZONE 1 565.0 MELT <u>784</u>	0.0	SCREW RPM 5.8	HEAD PSI 2802.0
ZONE 2 670.0 DIE 1	0.0	PSI SET 1943.0	DIE PSI 2044.0
ZONE 3 720.0 DIE 2	0.0	EXTR. AMP 8.9	AIR PSI 1 1.1
CLAMP 700.0 DIE 3	720.0	PUL SPEED 65	2 0.2
INLET 730.0 W/B TEMP	0.0	W/B DIST. 1INCH	3 0.4
G/PUMP 32.0			4 0.5
PUMP OUT 670.0			
XHEAD 0.0			
MATERIAL DRYING TMP. <u>280</u>	DEWPOINT <u>-80</u>	# OF HRS DRYING <u>48 hrs</u>	

ACTUAL PARAMETER COLLECTED EVERY 10 MINUTES

SETPOINT	ACTUAL 1	ACTUAL 2	ACTUAL 3	ACTUAL 4	ACTUAL 5
G/PUMP PSI	2014	2016	1975		
PUMP AMP	0	0	0		
SCREW RPM	6	6	6		
EXTRUDER AMP	9	8	9		
PULLER SPEED					
BARREL 1	2776	2693	2609		
BARREL 2	0	0	0		
BARREL 3	0	0	0		
HEAD PSI	2014	2016	1975		
TUBING O.D.	0.0000	0.0000	0.0000		
AVG.DIA.	0.0000	0.0000	0.0000		
AVG.STD.DEV.	0.0000	0.0000	0.0000		

.065 mandrel is recommended